

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	615	(first adj phase matrix) with (Cu Au Ag Co Pd Pt Rh Re Cr Zn Ni Al copper silver gold cobalt palladium platinum rhodium rhenium chromium zinc nickel aluminum) and (dispersoid dispersion stabiliz\$3 precipitate second adj phase nano\$11) with (inter\$2metallic\$1 metalloid (cerium tantalum zirconium tin silicon titanium) near3 (nitride carbide) TiC SiC SnC ZrC TaC CeC W2C "W. sub.2 C" Ni\$2Al\$1 Al\$2Ni\$1 "Mn.sub.4 Al.sub.11" "Al.sub.11 Mn.sub.4" Mn4Al11 Al11Mn4 "TiAl.sub.3" "Al.sub.3 Ti" TiAl3 Al3Ti (nickel manganese titanium Ni Mn Ti) near3 aluminide aluminide) and (dispersion dispersoid precipitate second adj phase) with (reinforc\$5 strength\$5 harden\$4) with (metal\$4 alloy)	US-PGPUB; USPAT	OR	ON	2011/01/28 14:59
S2	52	S1 and ((graded gradient grading profile) with (concentration composition stabiliz\$4 second adj phase nanphas\$3 dispersoid precipitate nano\$11) FGM FGL functional\$4 near3 graded)	US-PGPUB; USPAT	OR	ON	2011/01/28 15:01
S3	248	S1 and (dispersoid precipitate second adj phase stabilizer) with (nano\$11 ultra \$2fine\$1 sub\$2micron\$2 nm micron ".mu.m" "ang" angstrom millimicron quantum adj dot)	US-PGPUB; USPAT	OR	ON	2011/01/28 15:01
S4	16	S2 and S3	US-PGPUB; USPAT	OR	ON	2011/01/28 15:02
S5	114	S1 and (pre\$1coat\$4 coat\$4 plat\$4 encapsulat\$4 surface near3 layer) with (dispersoid precipitate second adj phase nano\$11 ultra\$2fine\$1 particle) with (metal\$4 Ag silver Au gold)	US-PGPUB; USPAT	OR	ON	2011/01/28 15:02
S6	117	S1 and (Ni\$2Al\$1 Al\$2Ni\$1 "Mn.sub.4 Al.sub.11" "Al.sub.11 Mn.sub.4" Mn4Al11 Al11Mn4 "TiAl.sub.3" "Al.sub.3 Ti" TiAl3 Al3Ti)	US-PGPUB; USPAT	OR	ON	2011/01/28 15:03
S7	146	S3 and (252/500,512-514.cols. 428/323,332,378,402,403,457,544,547,551,650,678,694.cols. 75/228,236,244. cols. 419/6,8,10,12-14,23,30,35,38,48,61,64.cols. 148/400,405,420-440,668,674-675,678,679,688.cols. 427/180,450.cols. 438/478.cols. 204/471. cols. 205/74,76,96,109,148,169,704.cols. 420/590,552,550,469,129.cols.)	US-PGPUB; USPAT	OR	ON	2011/01/28 15:50
S8	17	S7 and (graded gradient grading profile FGM FGL)	US-PGPUB; USPAT	OR	ON	2011/01/28 15:50
S9	17	(dispersion dispersoid precipitate second adj phase) with (reinforc\$5 strength \$5 harden\$4) with (metal\$4 alloy) and (dispersoid dispersion stabiliz\$3 precipitate second adj phase nano\$11 ultra\$2fine\$1 sub\$2micron\$2) with (intermetallic metalloid (cerium tantalum zirconium tin silicon titanium) near3 (nitride carbide) TiC SiC SnC ZrC TaC CeC W2C "W. sub.2 C" Ni\$1Al\$1 Al\$1Ni\$1 "Mn.sub.4 Al.sub.11" "TiAl.sub.3" Mn4Al11 TiAl3 (nickel manganese titanium) near3 aluminide aluminide) and (dispersoid precipitate second adj phase stabilizer) with (nano\$11 ultra\$2fine\$1 sub\$2micron\$2 nm micron ".mu.m" "ang" angstrom millimicron quantum adj dot)	USOCR	OR	ON	2011/01/28 15:52
S10	40	(dispersion dispersoid precipitate second adj phase) with (reinforc\$5 strength \$5 harden\$4) with (metal\$4 alloy) and (nano\$11 ultra\$2fine\$1 sub\$2micron\$2 nm micron ".mu.m" "ang" angstrom millimicron quantum adj dot) and (dispersoid dispersion stabiliz\$3 precipitate second adj phase nano\$11 ultra \$2fine\$1 sub\$2micron\$2) with (intermetallic metalloid (cerium tantalum zirconium tin silicon titanium) near3 (nitride carbide) TiC SiC SnC ZrC TaC CeC W2C "W. sub.2 C" Ni\$1Al\$1 Al\$1Ni\$1 "Mn.sub.4 Al.sub.11" "TiAl.sub.3" Mn4Al11 TiAl3 (nickel manganese titanium) near3 aluminide aluminide)	EPO; JPO; DERWENT	OR	ON	2011/01/28 15:53
S11	386	in near sungho.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/01/28 15:54
S12	9	S11 and (metal\$4 alloy Cu copper Al aluminum) near5 (first adj phase matrix) and (ultra\$2fine\$1 dispersoid second adj phase quantum adj dot nano\$11) and (graded gradient grading profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/01/28 15:55
S13	19	("5759230" "5958575" "6858521" "20040146734" "20040071951" "4540546" "20010008157" "5925198" "5728195").did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/01/28 15:56

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

S14	20	(dispersion dispersoid precipitate second adj phase) with (reinforcing strength\$5) with (metal\$4 alloy) and (graded gradient profile) with (composition dispersoid second adj phase precipitate) and (nano\$11 nm "mu.m" ultra\$2fine\$1 sub\$2micron\$1) with (dispersoid second adj phase precipitate dispersion) and (metal\$4 alloy) near5 matrix	USPAT; UPAD	OR	ON	2011/01/28 16:00
S15	6	(functionally adj graded FGM (gradient graded) with (composition\$4 concentration) with (surface thick thickness)) and (nanoparticle nanoscale) with (dispersion dispersed dispersoid) and (metal\$4 alloy) near5 matrix	USPAT; UPAD	OR	ON	2011/01/28 16:02

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